

COMBINED DECLARATION FOR PATENT
APPLICATION AND POWER OF ATTORNEY
(Includes Reference to PCT International Applications)

ATTORNEY'S DOCKET NUMBER
201487/1180

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

SOIL MICROORGANISM-HOUSING BIOSENSORS AND THEIR USES

the specification of which (check only one item below):

☐ is attached hereto.

☐ was filed as U.S. Patent Application Serial No. _____ on _____ and was amended on _____ (if applicable).

☒ was filed as PCT International Application Number **PCT/JP2004/016422** on **November 5, 2004**.

I hereby state that I have reviewed and understand the contents of the above-identified specifications, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

I hereby claim priority benefits under Title 35, United States Code, § 119 of any application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States listed below and have also identified below any application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

PRIOR APPLICATION(S) AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:

| COUNTRY (IF PCT, indicate "PCT") | APPLICATION NUMBER | DATE OF FILING (day, month, year) | PRIORITY CLAIMED UNDER 35 USC 119 |
|-------------------------------------|-----------------------|--------------------------------------|---|
| Japan | 2003-390013 | 19 November 2003 | <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO |
| | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |
| | | | <input type="checkbox"/> YES <input type="checkbox"/> NO |

| | | | | | |
|--|-------------------------|---|--|---|--|
| COMBINED DECLARATION FOR PATENT APPLICATION AND POWER OF ATTORNEY (Continued) (Includes Reference to PCT International Applications) | | | | ATTORNEY'S DOCKET NUMBER 201487/1180 | |
| I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT International filing date of this application: | | | | | |
| PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120: | | | | | |
| U.S. APPLICATIONS | | | STATUS (Check One) | | |
| U.S. APPLICATION NUMBER | U.S. FILING DATE | PATENTED | PENDING | ABANDONED | |
| | | | | | |
| | | | | | |
| PCT APPLICATIONS DESIGNATING THE U.S. | | | | | |
| PCT APPLICATION NO. | PCT FILING DATE | U.S. SERIAL NUMBERS ASSIGNED (if any) | | | |
| PCT/JP2004/016422 | 5 November 2004 | | | X | |
| | | | | | |
| POWER OF ATTORNEY: : As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) associated with the following customer number to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. 26774 | | | | | |
| Send Correspondence to: 26774 | | | Direct telephone calls to: Michael L. Goldman (585) 263-1304 | | |
| 2 0 1 | FULL NAME OF INVENTOR | FAMILY NAME HASHIMOTO | FIRST GIVEN NAME Yoshihiro | SECOND GIVEN NAME | |
| | RESIDENCE & CITIZENSHIP | CITY Kanagawa | STATE/FOREIGN COUNTRY Japan | COUNTRY OF CITIZENSHIP Japan | |
| | POST OFFICE ADDRESS | P.O. ADDRESS Maison Soleiyu B-1, 2374-1, Takakura, Fujisawa-shi | CITY Kanagawa | STATE & ZIP CODE/COUNTRY 252-0802 Japan | |
| 2 0 2 | FULL NAME OF INVENTOR | FAMILY NAME KARUBE | FIRST GIVEN NAME Isao | SECOND GIVEN NAME | |
| | RESIDENCE & CITIZENSHIP | CITY Ibaraki | STATE/FOREIGN COUNTRY Japan | COUNTRY OF CITIZENSHIP Japan | |
| | POST OFFICE ADDRESS | P.O. ADDRESS c/o Tsukuba Central, National Institute of Advanced Industrial Science and Technology, 1-1-1, Higashi, Tsukuba-shi | CITY Ibaraki | STATE & ZIP CODE/COUNTRY 305-8561 Japan | |

| | | |
|---|--|--|
| I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon. | | |
| SIGNATURE OF INVENTOR 201 <div style="text-align: center;">UNSIGNED</div> | SIGNATURE OF INVENTOR 202 <div style="text-align: center;">UNSIGNED</div> | |
| DATE | DATE | |

AP20 Rec'd PCT/PTO 18 MAY 2006

PTO-1390 (Rev. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| | | | | | |
|--|--------------|---|---------|---|--------------|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <div style="font-size: 1.5em; font-weight: bold;">10/579670</div> | | INTERNATIONAL APPLICATION NO. PCT/JP2004/016422 | | ATTORNEY'S DOCKET NUMBER 201487/1180 | |
| 20. Other items or information: UNSIGNED Combined Declaration and Power of Attorney | | | | | |
| The following fees have been submitted | | | | CALCULATIONS | PTO USE ONLY |
| 21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300 | | | | \$ 300.00 | |
| 22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) | | | | \$ 200.00 | |
| If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 All other situations..... \$200 | | | | | |
| 23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) | | | | \$ 400.00 | |
| If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0 Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100 International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400 All other situations..... \$500 | | | | | |
| TOTAL OF 21, 22 and 23 = | | | | 900.00 | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE | | |
| 51 - 100 = | -49 / 50 = | | x \$250 | \$ 0.00 | |
| Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)). | | | | \$ 130.00 | |
| CLAIMS | NUMBER FILED | NUMBER EXTRA | RATE | | |
| Total claims | 6 - 20 = | 0 | x \$ 50 | \$ 0.00 | |
| Independent claims | 3 - 3 = | 0 | x \$200 | \$ 0.00 | |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) | | | + \$360 | \$ 360.00 | |
| TOTAL OF ABOVE CALCULATIONS = | | | | \$ 1,390.00 | |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2. | | | | 0.00 | |
| SUBTOTAL = | | | | \$ 1,390.00 | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). | | | | \$ 0.00 | |
| TOTAL NATIONAL FEE = | | | | \$ 1,390.00 | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property | | | | \$ 0.00 | |
| TOTAL FEES ENCLOSED = | | | | \$ 1,390.00 | |
| | | | | Amount to be refunded | \$ |
| | | | | Amount to be charged | \$ |

10/579670

1AP20 REC'D PTO 18 MAR 2006
PTO-1390 (Rev. 07-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

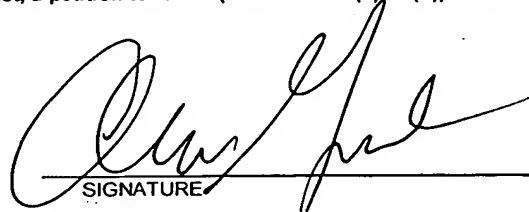
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

- a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☐ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. _____. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Michael L. Goldman
Nixon Peabody LLP
Clinton Square
P. O. Box 31051
Rochester, NY 14603-1051
United States of America



SIGNATURE

Andrew K. Gonsalves

NAME

48,145

REGISTRATION NUMBER